

NEW ABSTRACT

A rewritable optical data storage medium for high-speed recording includes a substrate carrying a stack of layers. The stack includes a recording layer between two auxiliary layers. The recording layer includes an alloy of Sb and at least one of Ga and In having a composition in atomic percentages defined by the formula: $\text{Ga}_x\text{In}_y\text{Sb}_z$ and $70 \leq z \leq 95$ and $x + y + z = 100$.